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THE WORLD'S BEST NEWS & FACTS FOR YOUNG PEOPLE

NEWS
Spacewalk outside the ISS
p5

BOOKS
Top animals, sports, and science picks
p11, 19, 15

2023 Summer of Reading

HOW TO
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p25

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Making sense of the world

THE WEEK Junior

THE BEST MAGAZINE FOR CURIOUS KIDS

MIGHTY!

Scientists calculate new estimate of how many Tyrannosaurus rexes roamed the Earth p14

DID YOU KNOW?
Yad Vashem, the World Holocaust Remembrance Center, was established in Israel in 1953.

Representatives of the survivors and the German government negotiating the payments

A place of remembrance

The US Holocaust Memorial Museum opened in 1993 in Washington, DC. Its goals are to help people remember and learn about the Holocaust and inspire people around the world to stand up to hatred. More than 47 million people, including 11 million children, have visited.

Germany to pay Holocaust survivors

The German government announced that it will pay a record $1.4 billion to survivors of the Holocaust. The money, which will be distributed in 2024, is known as reparations, which are financial payments to make up for some form of wrongdoing.

What was the Holocaust?

The Holocaust was the mass killing of 6 million Jewish men, women, and children, as well as millions of others, by the German Nazi party, led by Adolf Hitler. It is one of the most terrible events in human history. Starting in the late 1930s and throughout World War II (1939–1945), the Nazis stormed across Europe, taking over countries and forcing Jewish people to live in ghettos (neighborhoods surrounded by walls, barbed wire, or fences). Jews were also sent to concentration camps (prisons with very bad conditions), where millions were killed. The Holocaust ended with the defeat of the German military by the Allied powers from the US, the UK, and the Soviet Union (now Russia).

Stuart Eizenstat

What are reparations?

Reparations can include payments to make up for physical injury, money to assist people who have had something unjust happen to them, or any form of help given to a person, group, or country that has been a victim of unfair treatment. Germany began paying annual Holocaust reparations in the 1950s and has paid a total of more than $90 billion. The amount is decided every year between the German government and an organization representing Holocaust survivors known as the Claims Conference. Germany agreed to pay more than $1.2 billion in 2023, which at the time was a record amount.

What is in the new agreement?

The agreement includes nearly $890 million for home care services for survivors, which is an increase of $105.2 million over the previous year for this type of help. The payments will cover caregiver assistance, medical care, meals, transportation, and other services. In addition, Germany will send $535 million in direct payments to survivors. The agreement also includes about $150 million for global Holocaust education programs over the next four years. This money is meant to address concerns that the public's knowledge of the Holocaust is decreasing as World War II recedes further into the past.

Why are the payments significant?

As of April 2023, about 240,000 Holocaust survivors were alive in Europe, Israel, the US, and elsewhere. Because the Holocaust took place about 80 years ago, survivors are elderly, and many do not have much money or family support. Many of the people receiving direct payments are Jews from the former Soviet Union who were not in camps or ghettos and so are not eligible for other support programs. "Survivors are getting more frail, and they are needing more hours of care and more assistance," said Reuben Rotman, head of the Network of Jewish Human Service Agencies. Stuart Eizenstat, who negotiated on behalf of the Claims Conference, said the annual reparations are an "opportunity to ensure survivors of the Holocaust are receiving some measure of justice and a chance at the dignity that was taken from them in their youth."

What will happen next?

In 2024, reparations payments will be sent monthly or as a one-time annual payment of $1,365 per person. The Claims Conference will continue to track survivors' well-being. Every year, the organization gathers information on their unmet needs and presents Germany with requests for increases in funding.

Women protest in Switzerland

Hundreds of thousands of women gathered across Switzerland on June 14 to protest a lack of gender equality in the country. Their greatest concern was unequal pay between men and women. Women there earn about 20% less than men, making it one of the worst European countries in terms of equal pay.

June 14 is a significant day for women's rights in Switzerland. Women held a mass strike on June 14, 1991, which led to the passage of the country's Gender Equality Act. Years later, a demonstration on June 14, 2019, drew about half a million protesters. A few months later, the largest percentage of women ever was elected to Switzerland's parliament (similar to the US Congress). But many people said there has been little progress for women in the nation since.

As they have in the past, protesters wore purple, a color associated with gender equality. "It's a scandal that today we still don't have the same salaries as men," Karine, a worker in the Swiss city of Geneva, told Reuters news agency.

Protesters in Switzerland

WOW! The world's oldest amusement park is Bakken, in Denmark, which has been operating since 1583.

Tokyo Disney, in Japan

Theme parks bounce back

The international theme park industry has recovered since the pandemic slowed business, according to a new report. The study was released on June 14 by the Themed Entertainment Association and AECOM, organizations that represent the theme park industry.

In 2019, more than 253 million people visited theme parks, which was the highest attendance on record. In March 2020, most parks closed due to Covid-19. When they reopened in 2021, many restricted the number of visitors. Ticket sales were low as people traveled less.

The report found that 2022 "marked a return to normal for many attraction operators around the globe." More than 178 million people visited top parks—fewer than in 2019 but 41% more than in 2021. Parks also made more money, with revenues (amount of money received) beating 2019 levels as people paid more for park experiences.

The most popular park was the Magic Kingdom at Walt Disney World in Orlando, Florida, with more than 17 million guests—35% more than in 2021. Other highly visited parks included Disneyland in California, Tokyo Disneyland in Japan, and Universal Studios Japan, which opened its new Super Nintendo World in 2022.

The report said parks have adapted since the pandemic. Visitors are less tolerant of crowds and long lines, for example, so some parks still limit ticket sales and set specific entry times. Many have added apps and other technology and hosted special events. "Even the oldest parks will continue to reinvent themselves and offer new experiences to keep guests coming back," the report said.

IT'S AN AMAZING WEEK FOR...

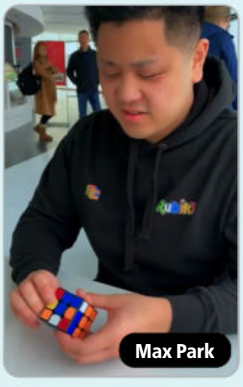
A STUNNING SALE

A 55.22-carat ruby sold for $34.8 million, setting a record as the largest and most expensive ruby to sell at auction. Found last year in Mozambique, Africa, it is a rare dark red color and exceptionally clear and bright.

The ruby

A NEW RECORD

Max Park, age 21 and from California, solved a 3x3x3 Rubik's Cube in 3.13 seconds at a competition on June 11, beating the previous world record by .34 seconds. Park, who has autism, is widely considered the world's top "speed cuber." "He constantly surprises us," his father said.



Max Park

THE GIFT OF READING

Just in time for summer, 1.2 million books were given to more than 200,000 students, teachers, and libraries in Tennessee. The program, run by a nonprofit and the Scholastic publishing company, aims to keep students in grades K–3 reading over the break. "It's more than books. It's the future of Tennessee," said the nonprofit.

Some of the books

ON THE COVER: GETTY IMAGES (2); NASA; ON THIS PAGE: TOKYO DISNEYLAND; GETTY IMAGES (2); GUINNESS WORLD RECORDS; COURTESY THE PUBLISHERS; ON LEFT PAGE: CLAIMSCON.ORG; GETTY IMAGES; ALAMY

Some of the young people who filed the lawsuit

DID YOU KNOW?
Montana's name comes from the Spanish word *montaña*, meaning "mountain."

Electric cars in Georgia

The state of Georgia is seeking to become a global leader in the production of electric vehicles (EV). After offering billions of dollars in tax breaks to car companies, Hyundai, Kia, and Rivian opened factories there. Makers of charging stations and other EV parts have also started operating in Georgia.

Climate change trial in Montana

A historic legal dispute about climate change has proceeded to a trial in the US. The lawsuit was filed by a group of young people against the state of Montana for not providing a healthy environment. Similar lawsuits have been filed across the US, but this is the first one to go to trial.

What is the dispute?

In March 2020, a group of 16 young people, who were then between the ages of 2 and 19, filed a lawsuit seeking to force Montana to take action to fight climate change. They argued that the state's policies of embracing the use of fossil fuels, such as oil and coal, were contributing to climate change, which threatens their health and careers and those of future generations. The state argued in response that climate change is a global issue and that Montana's population of just over one million people results in a relatively small quantity of fossil fuel use compared to other states and countries.

What did the young people say?

They cited wildfires, drought (extreme lack of rain), and flooding as some of the problems caused by climate change that are affecting their lives. Rikki Held, who was 19 when the suit was filed, said temperatures as high as 110 degrees Fahrenheit in Montana have led to severe drought on her family's ranch. Grace Gibson-Snyder, age 19, said her high school soccer games were canceled due to wildfire smoke. Some of the young people who filed the lawsuit are Indigenous (the first to inhabit a place), and they said their cultural practices were being threatened by changes in weather.

Why is the case significant?

Montana's constitution (highest law) requires the government to "maintain and improve a clean and healthful environment." It is one of a few states with this type of mandate, which may be why the case made it to trial. In a 2015 case, 21 youths filed a lawsuit against the US government, claiming its use of fuel-based energy was unconstitutional. That case may soon go to trial after years of delays.

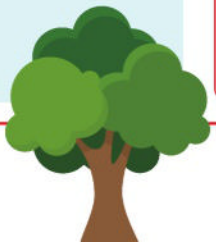
What will happen next?

The judge will hear testimony about the case until June 23. Experts said a verdict in favor of the young people would not require Montana to take action but could influence future court rulings. For example, governments could be required to protect people from the effects of climate change.

WORD OF THE WEEK

TREE

Although they mean different things, "tree" and "true" share a common ancestry. Each word comes from an ancient root meaning "firm" and "solid." Trees are symbols of steadfastness because they stand upright, surviving stormy weather. Similarly, a "true" friend is faithful and loyal, remaining strong even in difficult situations.



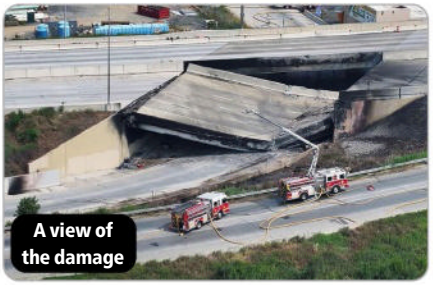
THE WEEK IN HISTORY

June 28, 2007

Bald eagles are no longer endangered

On June 28, 2007, the bald eagle, the national bird, was removed from the Endangered Species List. It was placed on the list in 1978 in an effort to help prevent it from becoming extinct (to no longer exist). The years of protection allowed the bald eagle to thrive. In 2007, officials counted at least 10,000 mating pairs of the species. Today, there are about 300,000 bald eagles living in the US.

A bald eagle


A view of the damage

Philadelphia bridge collapses

A major effort is underway to fix a bridge on Interstate Highway 95 in Philadelphia, Pennsylvania. It collapsed on June 11 after a truck carrying gasoline crashed and caught fire. More than 150,000 vehicles travel over the bridge every day, making it a vital part of the highway, President Joe Biden said after he visited the area on June 17. He pledged federal support to get the roadway reopened in two weeks. "We're with you," he said.

Nusrat Choudhury

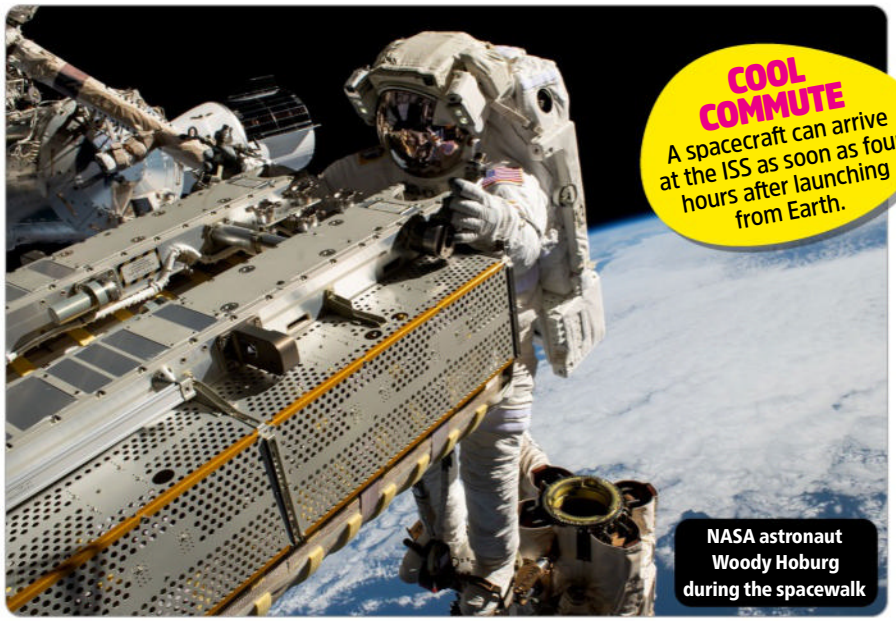
Historic choice for federal judge

Nusrat Choudhury, a civil rights attorney, has made history as the first Bangladeshi American and first Muslim American woman to become a federal judge. She was confirmed by the US Senate (one half of Congress) and will join the US District Court for the Eastern District of New York. She is a "shining example of the American dream," said Senate Majority Leader Chuck Schumer.

Two of the whales

Rare sighting of killer whales

Four killer whales were spotted about 40 miles south of Nantucket, Massachusetts, in the Atlantic Ocean. Also called orcas, the marine mammals have distinct white patches. They live in oceans worldwide but are rarely seen in waters off the East Coast of the US. Scientists who were surveying the water for animals by plane spotted the orcas and nearly 150 other whales and dolphins.


NASA astronaut Woody Hoburg during the spacewalk

COOL COMMUTE
A spacecraft can arrive at the ISS as soon as four hours after launching from Earth.

Astronauts conduct spacewalk

On June 15, two American astronauts from NASA, the US space agency, completed a spacewalk outside the International Space Station (ISS, a laboratory that orbits 254 miles above Earth's surface).

Astronauts Stephen Bowen and Woody Hoburg spent five hours and 35 minutes outside the ISS doing work to upgrade its power system. Their main task was to install a solar array, which is a collection of panels that generate electricity.

During the walk, the two men handed off the array to each other as they moved across the ISS while following instructions from NASA scientists on Earth. The project was more challenging than usual because the ISS's robot arm couldn't reach far enough to move the array all the way to the installation site.

The solar array is part of a $103 million investment in the system that provides the ISS with electricity. The panels were delivered by a SpaceX Dragon cargo ship. A final pair of arrays will be delivered for installation in 2025.

The spacewalk was Bowen's 10th, making him one of eight people in the world to have stepped outside a spacecraft that many times. The others who have achieved this feat include four Americans and three Russians. Bowen also moved up to number three on the list for the most minutes spent spacewalking, with a combined 65 hours and 57 minutes. The spacewalk was Hoburg's second.

NASA astronaut Stephen Bowen

Officials were pleased with the result. "Congratulations to the entire on-orbit and ground team," Canadian astronaut Jenni Sidey-Gibbons said. "You performed phenomenally today."

The spacewalk occurred during a busy time for the ISS. It was the sixth walk in 2023, and two Russian astronauts will conduct another spacewalk on June 22 to remove and replace communications and science hardware.

THE WEEK'S SILLIEST HEADLINE

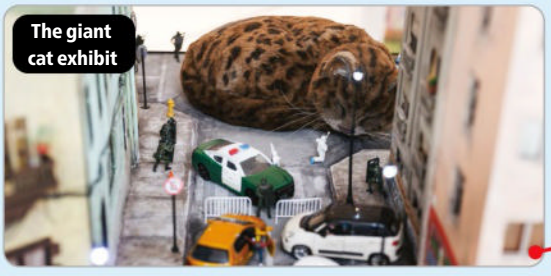
"Turtle takes a ride in the back of Kentucky police cruiser" *UPI*

NASA (2); BILLY KYLE/REUTERS; GETTY IMAGES (2); NEW ENGLAND AQUARIUM; ON LEFT PAGE: AP; GETTY IMAGES (3)

A beach in the Netherlands

The Netherlands
Citizens to receive free sunscreen

The Dutch government announced that its citizens will have access to free sunscreen this summer. The country has seen a rise in cases of skin cancer (a disease caused by skin cells growing out of control, which can be triggered by sun exposure). Dutch authorities hope free access to sunscreen will help combat the problem. Sunscreen dispensers will be available in schools, parks, sports venues, and other public spaces.


The giant cat exhibit

Prague, Czech Republic
Giant cat is a festival highlight

A large cat curled up in a model city was one of the works on display at the Prague Quadrennial, an international festival of design and scenography (the art of creating scenery for shows and theaters). Held from June 8–18, the festival also featured other creative exhibits, such as a mirrored room of dripping water and a giant sandpit. The event has been held every four years since it was established in 1967.

A worker sprays for mosquitoes.

Peru
Nation battles infectious disease

Peru is suffering the worst outbreak of the infectious disease dengue (pronounced deng-gay) in the country's history. Dengue is transmitted by the bite of the Aedes aegypti mosquito. The outbreak has infected more than 146,000 people, and at least 248 people have died. Peru's health minister, Rosa Gutiérrez, has resigned amid criticism of how she has handled the crisis.

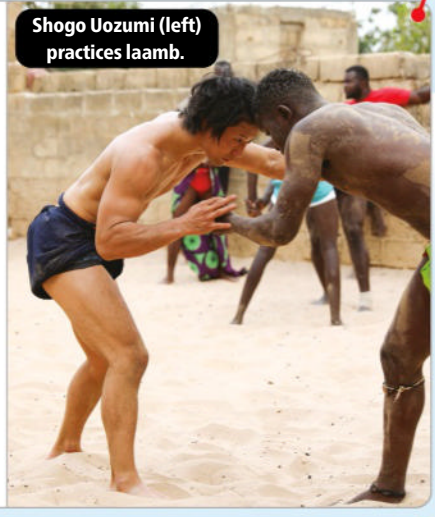
Fyresdal, Norway
Accessible forest path opens

A treetop walkway designed to make nature more accessible has been built at Hamaren Activity Park. Created by a Denmark-based company, EFFEKT, the elevated path can be used by people in wheelchairs and families with strollers. The route winds through a forest, rising nearly 50 feet to an observation point overlooking the park and a lake.

The walkway from above

Thies, Senegal
Japanese athlete learns ancient wrestling art

Japanese wrestler Shogo Uozumi has been living in Senegal since 2022 to master an ancient wrestling style known as laamb, which is unique to the country. Laamb mixes acrobatics and physical combat, and competitors win if their opponent's back touches the ground. Uozumi told Reuters news agency he has set up an academy to train students to prepare for the 2026 Youth Olympics in Dakar, the nation's capital.


Shogo Uozumi (left) practices laamb.

GETTY IMAGES (7); ALAMY; COVER IMAGES; IJBOR GALIA

The parade

Warsaw, Poland
Parade draws thousands

On June 17, tens of thousands of people took part in a Pride parade in the nation's capital, demanding equal rights for LGBTQ people. Poland's current government doesn't give LGBTQ people the same rights as others. For example, same-sex couples are not legally recognized and can't adopt children.

Alexei Navalny before he went to jail

Melekhovo, Russia
Putin critic faces trial while in prison

Alexei Navalny, a politician who is critical of Russian president Vladimir Putin, is on trial for creating an organization with extreme views. Navalny, who was put in prison in 2021 for offenses including fraud (using lies or tricks to gain an advantage), is already serving a sentence of 11½ years. Under the new charges, he could be sentenced to an extra 30 years in jail. His supporters say he's being punished for being outspoken.

A mango seller

India
Bad weather causes mango shortage

Unusual weather in May, including cold temperatures, rain, and wind, has led to a mango shortage in northern India. Hot weather, which is typical in the region in May, is necessary to ripen the fruit. Without it, up to 40% of the mango crop was damaged. Randhir Choudhary, owner of a mango orchard, told the British newspaper *The Times*, "If nature doesn't correct itself, I can see mango cultivation being wiped out."

Politicians voting

Beirut, Lebanon
Presidential election fails again

Lebanon's parliament has failed to elect a president for the 12th time since October 2022. No candidate got enough votes in the first round to win, and before the second round could take place, a group of politicians walked out. They were led by Hezbollah, a Muslim party that doesn't accept the main candidate backed by Christian parties.

Bilma, Niger
Salt trade dries up

The salt-harvesting trade in a remote town in the Sahara desert is drying up. For hundreds of years, a sizable percentage of people in Bilma have dug the Kalala salt pits by hand and filled them with water to draw salt from the rock. The salt is then sold to buyers passing through the town. There are fewer buyers today, however, partly because people who were once nomadic (moving from place to place) have settled in greener places.

A local man harvests salt.

Should there be live-action remakes?

Some people think animated films should be left as they are, rather than remade.

What you need to know

- **Live-action movies mix real-life actors with the latest special effects to make fantasy look real.**
- **Popular animated films that have been remade into live-action ones include *The Lion King*, *Aladdin*, and *Beauty and the Beast*.**
- **DreamWorks Animation is now making live-action versions of the *How to Train Your Dragon* films.**
- **The original films were based on a book series about a Viking named Hiccup and Toothless the dragon.**

The live-action version of *The Little Mermaid*

From *Toy Story* to *Frozen*, *Moana*, *Minions*, and *Encanto*, animated films are huge. Timeless movies like these build magical worlds where dolls talk, little yellow creatures cause trouble, and families live in enchanted homes. Recently, studios have been making live-action versions of big animated hits. *How to Train Your Dragon*, which will hit theaters in 2025, is just the latest animated film to be getting a live-action remake. Some people who love the original movies are excited to see them brought to life again. Others think the animated films were so good that there's no need to redo them. What do you think? Should there be live-action remakes?

Yes—they give new life to old stories

The original animated film *The Little Mermaid* came out in 1989. Many adults love it for sentimental reasons, but it can seem old-fashioned to young audiences who have grown up with state-of-the-art special effects. The live-action version that came out this year was a chance to update a classic story for a younger generation. Years ago, filmmakers didn't have the technology to make live-action fantasy worlds look as real as they do today. Now they can make live-action movies that are as amazing as animated ones. It's exciting for kids to see what their favorite characters or creatures look like in the "real" world.

No—that's not very creative

Animated films have beautiful styles of animation that are created for a specific story and contribute to the film's magic. Some movies use classical two-dimensional sketch-style animation, while others have a more modern three-dimensional style. Creating animation takes years of effort from the people who work behind the scenes. Live-action remakes make it seem as if the hard work of the original animators isn't good enough or is too old-fashioned. It's not very creative to simply remake a film in a different style. Instead, film studios should come up with original ideas and stories to make into new films.

YES Three reasons there should be live-action remakes

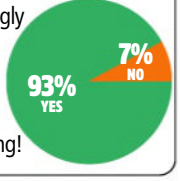
1. **Remaking films is a great way to update animated classics and introduce them to a new generation of kids.**
2. **Amazing technology that enables fantasy to look like reality has been invented—we should use it.**
3. **It's exciting to see fantasy worlds brought to life in the film's "real" world.**

NO Three reasons there should not be live-action remakes

1. **Part of what makes animated movies so special is the beautiful animation styles, which are different in each film.**
2. **Animators put years of hard work into their films. Live-action remakes make it seem like that's not important.**
3. **Remaking old films isn't very creative. It's better to come up with new ideas.**

LAST WEEK'S POLL

Last week, we asked you if exclamation points are necessary. You voted overwhelmingly in favor of using the punctuation mark in writing!



What do you think?

Now that you've read a bit more about this issue, visit kids.theweekjunior.com/polls so you can vote in our debate. Vote YES if you think there should be live-action remakes or NO if you don't. We'll publish the results next week.

The goal of the big debate is to present two sides of an issue fairly in order to stimulate discussion and allow our readers to make up their minds. The views on this page do not reflect those of *The Week Junior*, and the page is not funded by third parties.

DISNEY

A national voice

Journalist Ayesha Rascoe delivers news to listeners across the US every week.

Since she was a student in middle school, Ayesha Rascoe has been interested in journalism. Growing up, she joined the staff of every school newspaper she could. Now, at age 37, Rascoe is the host of the National Public Radio (NPR) news broadcast titled *Weekend Edition Sunday*.

Rascoe was raised in Durham, North Carolina, and earned a journalism degree from Howard University in Washington, DC, in 2007. She began her career at Reuters, first working as a reporter on energy and the environment and later covering the President as a White House correspondent. Since 2022, she has hosted *Weekend Edition Sunday*. Her voice has become a familiar and trusted news source for many people. Rascoe told *The Week Junior*, "It is an honor and something that I do not take lightly."

In her role, Rascoe spends weekdays preparing stories for Sunday's show with her team. She conducts interviews with a variety of people, from top government officials to authors and film directors.

As part of the show's series highlighting the experiences of people who lived through the civil rights movement in the 1960s and 1970s, Rascoe interviewed her mother and uncle. They were children when a murder of a Black man in their town led to changes for social justice. "Being able to tell their story and a story of my family is the one thing I am most proud of," she told *The Week Junior.*

To aspiring journalists, Rascoe said, "Don't be afraid to get started." She advises talking to people who work in journalism and joining your school newspaper. "That's how I got my start," she said.

Ayesha Rascoe

DID YOU KNOW?
The 1967 Public Broadcasting Act led to the establishment of NPR in 1970.

Chef gets major prize

At the annual James Beard Awards gala on June 5 in Chicago, Illinois, Rob Rubba was named Outstanding Chef, a top culinary honor in the US. Rubba, age 41, is the head chef and co-owner of Oyster Oyster in Washington, DC. The restaurant is named after oyster mushrooms and has a vegetarian and plant-based menu. Rubba's vision was to create an environmentally friendly restaurant with a focus on local ingredients. Accepting his award, Rubba said he felt supported in his efforts to be sustainable. "You can cook with plants and impress the world," he said.

Rob Rubba

Jim Hines

Runner remembered

Jim Hines, a professional runner who was the first sprinter to run 100 meters in less than 10 seconds, died on June 3 at age 76. He was raised in Oakland, California, and began running track in high school. He made his Olympics debit in 1968 and was part of the team that won gold in the 4 x 100-meter relay. In that event, he ran a record-setting time of 9.95 seconds, which stood for the next 15 years. For a time, he was known as the fastest man alive. In 1979, he was inducted into the USA Track and Field Hall of Fame.

OVERHEARD

"I hope that every Issa in the multiverse has the desire to find good food."

Actress Issa Rae, who plays a Spider-Woman in the new hit film *Spider-Man: Across the Spider-Verse*, when asked what she would hope to be like if she were in a multiverse

MIKE MORGAN/NPR; GETTY IMAGES (2); REY LOPEZ

DID YOU KNOW?
The Amazon rainforest spreads across nine South American countries, with about 60% of it in Brazil.

Part of the Amazon rainforest

Update on Amazon trees

Data from Brazil's government showed that from January to May, deforestation in the Brazilian Amazon was 31% lower (meaning fewer trees were destroyed) compared to the previous year. April had a 68% improvement. The new president, Luiz Inácio Lula da Silva, has vowed to reduce forest loss.

Ancient soil could save forests

Brazilian scientists think they might have found a way to reverse damage caused by deforestation (cutting down large areas of trees) and turn farmland back into forest. The secret lies in ancient local knowledge of soil.

Vast areas of the Amazon rainforest have been cut down, mostly to make way for grassland for raising cattle. Scientists are looking for a way to turn grassland back into rainforest and revive forest ecosystems (communities of living things that affect one another). These ecosystems support thousands of animal and plant species, many of which are unique to the area. Forests also absorb a large amount of carbon dioxide, a gas that causes climate change (long-term changes in weather patterns).

Amazonian dark earth

A team of researchers has been studying Amazonian dark earth (ADE), a thick, black soil found deep in the Amazon rainforest. ADE is a kind of compost (a soil made from dead plants and animals). Various kinds of compost are sold in gardening centers around the world, but ADE is unusual. It was created by Indigenous people (the first people known to have lived in a place) from the Amazon between 2,000 and 2,500 years ago. The Amazonian people, today known as Amerindians, made ADE using charcoal from fires, animal bones, food waste, and poop. It contains microbes (tiny living things, including bacteria) that help to turn chemicals in the soil into useful nutrients that feed plants and trees.

To see if the Amazon's special soil can support forest health, the scientists grew grasses and trees in ADE, regular earth, and a mixture of both. Trees grown in ADE were up to six times taller than those grown in regular soil. Researchers think this type of soil could help restore forests around the world.

ADE took hundreds of years to create, so the scientists can't simply make more. Instead, said researcher Siu Mui Tsai, they want to try to "copy its characteristics," especially its helpful microbes, to see whether a similar soil recipe can be used to restore natural habitats.

PLACE OF THE WEEK

Wolf Island National Wildlife Refuge, Georgia

Originally created as a safe space for migratory birds in 1930, this wildlife refuge on Georgia's coast now spreads across more than 5,000 acres and continues to attract birds such as piping plovers, oystercatchers, and brown pelicans. The refuge is located where the Altamaha River meets the Atlantic Ocean and includes Wolf Island, Egg Island, and Little Egg Island. More than 75% of the area is salt marsh (where seawater mixes with freshwater). Birds are not the only visitors. Diamondback terrapins and loggerhead sea turtles lay their eggs on the beach.

An American oystercatcher

FUN FACT Skywalker gibbons were named after Luke Skywalker by a group of scientists who loved Star Wars.

A gibbon can prepare for its morning meal.

Gibbons plan their breakfast

Would you get up earlier in the morning if you knew you could have your favorite breakfast? A new study has found that Skywalker gibbons get up earlier than usual when they are craving fruit.

Gibbons eat a mixture of fruit and tree leaves. Over five years, researchers from Sun Yat-sen University in China studied two groups of Skywalker gibbons living in a nature reserve. The team followed the gibbons from the trees where they slept to the trees where they foraged for food. When the gibbons ate fruit for breakfast, they left their sleeping trees 30 minutes to an hour earlier than they did when they were going to eat leaves.

Researchers think this is because fruit trees are uncommon and there is competition from other animals. The gibbons also have to avoid predators, like leopards. The research team said this shows an amazing ability to plan ahead. Planning wasn't always easy, however. When the gibbons slept in large groups, they set off later because they couldn't agree on a place to go for breakfast.

Animal of the week: Saurona butterfly

Scientists discovered a new butterfly species and named it Saurona because its eye-like markings reminded them of the villain Sauron from *The Lord of the Rings*. They hope the discovery will draw

- **SIZE:** 1.4-inch wingspan
- **LIFE SPAN:** Two to four weeks
- **DIET:** Grasses and bamboo
- **HABITAT:** The Amazon rainforest

2023 Summer of Reading — The Week Junior

5 books to read if you love wildlife

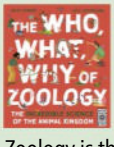
Discover fun facts about the amazing abilities and characteristics of animals.

Detector Dogs, Dynamite Dolphins *By Christina Couch and Cara Giaimo, illustrated by Daniel Duncan* (MIT Kids Press)
This book features animals that have super senses, including a dog that is trained to sniff out killer whales. You'll see many photos and illustrations throughout. *Ages 9–12*

Epic Animal Journeys *By Ed Brown* (Cicada Books)
Birds, fish, and other animals are born knowing how to migrate (move from one area to another). How do fish cross oceans and birds journey to a different continent—and not get lost? With compelling descriptions, this book explains how they do it. *Ages 6–11*

Passionate About Penguins *By Owen Davey* (Flying Eye Books)
Find out about six types of penguins and how to identify their different-colored bills, eyes, and feathers. Discover what they eat, where they live, and how they mate. *Ages 8–12*

Teaching Tornero *By Georgeanne Irvine* (San Diego Zoo Wildlife Alliance Press)
Tornero is a two-toed sloth who lives at the San Diego Zoo. When he was born in 2019, he weighed less than a pound. Read about how he was cared for to become the 18-pound, healthy sloth he is today. *Ages*



The Who, What, Why of Zoology *By Jules Howard, illustrated by Lucy Letherland* (Wide Eyed Editions)
Zoology is the scientific study of animals, and this books describes how zoologists study and interact with animals. You'll also get ideas about how you can conduct your own zoology research. *Ages 8–12*

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What's that?*

The legal document that

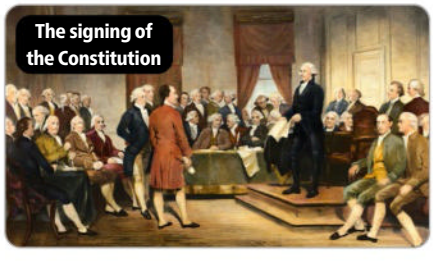
The Constitution has been America's foundation for more than 235 years.

The US Constitution is the supreme law of the US, which means that all other laws in the nation must follow its guidelines.

Looking at the Constitution

What is a constitution?

A constitution is a statement of the basic principles and laws of a nation, state, or group. It typically describes the powers and responsibilities of a government. A constitution often states the rights of the people and might also lay out a set of guidelines that should be followed. Most countries today have a written constitution. A few, however, including Israel, Canada, and the UK, do not. (They have other documents that serve a similar purpose.) Of all the written national constitutions, the US Constitution is the oldest and the shortest.



The signing of the Constitution

How was it created?

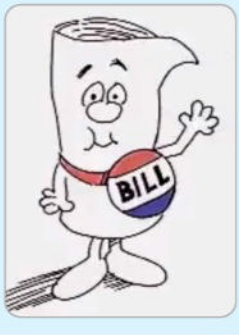
After declaring independence from England, the 13 American states each wrote their own constitutions, outlining how they wanted their new governments to work. Together, they created a document called the Articles of Confederation, which gave the central government very little power. Over several months in 1787, 55 delegates from the states met in Philadelphia, Pennsylvania, to amend (change) the Articles of Confederation. Instead, they wrote a new constitution. This gathering became known as the Constitutional Convention. On September 17, 1787, the convention signed the new US Constitution and sent it to the states for ratification (approval).

ALMOST DOUBLE
The Constitution was 4,500 words long when it was first written. Today it has nearly 8,000 words.

OOPS!
On the page where the Constitution was signed, the word Pennsylvania is incorrectly spelled as Pensylvania.

Fun with the Constitution

This guiding document of the US has appeared many times in popular culture. Here are three examples.



Schoolhouse Rock!

In the third season of this animated TV show from the 1970s, a bill (left) waiting outside the US Capitol sings "I'm Just a Bill," a catchy song about how bills become laws. The lawmaking process was established by Article I, Section 7, of the Constitution. See the video at tinyurl.com/TWJUS-SchoolhouseRock.

GETTY IMAGES (5); SCHOLASTIC ROCK, INC.; DIC ENTERTAINMENT; COURTESY OF DISNEY+; U.S. CAPITOL

rules our nation

DID YOU KNOW?
More than 11,000 amendments to the Constitution have been proposed, and 27 have been approved.
We the People
Posterity, do ordain and establish this Constitution for the United

"We the People of the United States" begins the preamble (introduction) to the US Constitution.

Liberty's Kids

An episode of this early 2000s TV series (left), called "We the People," portrays the creation of the US Constitution at a convention of leaders in Philadelphia in 1787, as well as the inauguration of America's first President. You can see it at tinyurl.com/TWJUS-LibertysKids.

Hamilton

In the song "Non-Stop" in the Broadway musical *Hamilton* (left), Alexander Hamilton raps about being a delegate to the Constitutional Convention and supporting the new Constitution. He helps write "a series of essays," called the Federalist Papers, "defending the document to the public."

The voting age was lowered in 1971.

What does the Constitution include?

The document's framers (creators) debated many questions, including how to elect Presidents, what powers they should have, and how to create equal representation in the new Congress (branch of government that makes laws). They decided on a House of Representatives with members based on each state's population and a Senate with two representatives for every state. Soon after the Constitution was created, framer James Madison drafted 19 amendments and submitted them to Congress. Ten of them were approved and became law on December 15, 1791. These amendments, known as the Bill of Rights, guarantee freedom of speech and other rights. Today, there are 27 amendments, which allowed the Constitution to change as the US changed. The 15th Amendment expanded the right to vote to Black American men. The 19th gave women the right to vote. The 26th Amendment lowered the voting age from 21 to 18.

The US Supreme Court

Interpreting the Constitution

The Constitution continues to guide our laws and how the US government functions. The 1803 court case *Marbury v. Madison* established the rule that federal courts can strike down a law if they find that it violates the Constitution. Since then, many cases have gone to the US Supreme Court to determine what is constitutional. Justices of the Court have to figure out how the Constitution's principles apply today. For example, are video games a form of free speech and protected under the First Amendment? In a 2011 decision, a few justices said no but the majority said yes. Justices, lawmakers, and citizens sometimes interpret the Constitution differently. Discussions and disagreements about the nation's highest law remind Americans of our past, shape our present, and help determine our future.

** It's a "pocket Constitution"—the entire text of the US Constitution in a booklet small enough to fit in a pocket.*

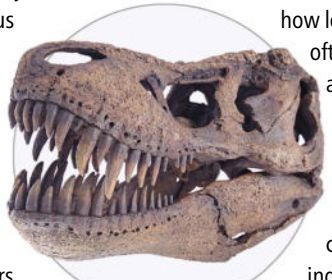
ROYAL TITLE
The scientific name Tyrannosaurus rex means "king of the tyrant lizards."

An artist's rendering of a mighty T. rex

How many T. rexes were there?

A recent study conducted in Germany calculated that a total of 1.7 billion Tyrannosaurus rexes have walked the Earth. This is a reduction from 2021, when a different study estimated that 2.5 billion T. Rexes had existed.

One of the greatest known predators, the T. rex likely lived 68 to 66 million years ago, at the end of the Cretaceous Period. Fossils (impressions or traces of ancient plants and animals preserved in rock) of the mighty dinosaur have been found in the western US and Canada. The T. rex went extinct (when a species no longer exists) 66 million years ago, in a mass event that wiped out all non-avian (bird-like) dinosaurs.



A T. rex skull fossil

The 2021 study was conducted by a team of scientists led by Charles Marshall of the University of California, Berkeley. Marshall and the other researchers determined that generations of T. rexes lasted about 19 years. They also determined that these generations were made up of 20,000 adult T. rexes. With about 127,000 generations of the dinosaurs over time, that added up to about 2.5 billion T. rexes. Their study was the first attempt at determining how many T. Rexes had ever lived.

In the new study, however, Eva M. Griebeler of the Johannes Gutenberg University of Mainz, in Germany, challenged some of the numbers in that research. She determined that Marshall and his team overestimated how long T. rexes lived and how often they laid eggs, as well as how many generations of the dinosaurs there were.

Her calculations found that there were about 90,000 generations of T. rexes that consisted of about 19,000 individuals, meaning 1.7 billion of the predators existed.

Marshall was complimentary of Griebeler's research, telling Live Science that her new estimate was a "more realistic" number and an improvement on his team's work. However, if Griebeler's lower number of 1.7 billion dinosaurs is accurate, experts have found the remains of fewer than 1% of all the T. rexes that lived. Why so few have been uncovered remains a question that requires further investigation.

A T. rex bigger than a bus

An illustration of a T. rex

The biggest T. rex ever discovered is a massive creature known as Scotty, who weighed 19,555 pounds. That's about 880 pounds heavier than the next biggest known T. rex, named Sue. However, according to research by scientists from the Canadian Museum of Nature in Ontario, the biggest T. rexes may have gotten even larger. They put together a model estimating that T. rexes could have weighed up to 33,000 pounds—thousands of pounds more than the average school bus.

Scientists say these estimates are just speculation until a fossil of a T. rex of that size is discovered. Drawing firm conclusions about dinosaur species is often a challenge given the limited number of fossils that exist for study.

DID YOU KNOW? Doctors and scientists who treat or study the brain are called neuroscientists.

Scientists have used brain scans to study human memory, language, emotions, and pain.

Machine scanner can "read" minds

Scientists with the University of Texas at Austin have developed a technology that generates text by scanning people's brains without requiring surgery. This technology could be used by people who are physically unable to speak and improve our understanding of how the brain works.

The scientists had three people listen to a podcast while they were lying inside a machine called a magnetic resonance imaging (MRI) scanner. They were having specific scans called functional MRIs done. (These are known as fMRIs.) An fMRI measures brain activity by monitoring blood flow to different parts of the brain as someone performs different tasks. In this case, that task was listening to a podcast.

A patient in an MRI machine

The data from the fMRI scans was fed into a system called a semantic decoder, which uses artificial intelligence (AI, when a machine can imitate human learning). "Semantic" means something that is relating to the meaning of language. The AI matched specific words or phrases with brain activity.

Next, the subjects got back inside the fMRI scanner and listened to different stories. As they did, the semantic decoder generated text based on their brain activity. The text that it came up with wasn't always literal. For instance, one subject heard the words "I don't have my driver's license yet," but the decoder generated the sentence "She has not even started to learn to drive yet."

The decoder was also able to create text when participants imagined telling a story or watched silent videos. Alexander Huth, one of the researchers, said the results are about more than language. "We're getting at meaning, something about the idea of what's happening," Huth told *The New York Times*. "And the fact that that's possible is very exciting."

The team said their semantic decoder is safe and cannot be used to intrude on people's thoughts without them knowing or agreeing to it. It can currently only be used in a laboratory setting, and it will only work on people it has been specifically trained to analyze. If people change their minds about participating and think about things other than what they're listening to, the results are too scrambled to be used.

GETTY IMAGES (2); COURTESY THE PUBLISHERS; ON LEFT PAGE: MARK WITTON; GETTY IMAGES (2)

5 books about the wonders of science

These picks examine space and nature and include a comic about chemistry.

Exoplanets
By Wendy Bjazevich, illustrated by David Miles
(Bushel & Peck Books)
There are more than 5,000 exoplanets outside our solar system. This book explains how scientists find them, what they look like, and why they are important. *Ages 9–12*

Plants to the Rescue!
By Dr. Vikram Baliga, illustrated by Brian Lambert
(Neon Squid)
This book focuses on how plants can help people tackle climate change. For example, scientists are growing plants that glow in the dark to learn how to save electricity. *Ages 8–10*

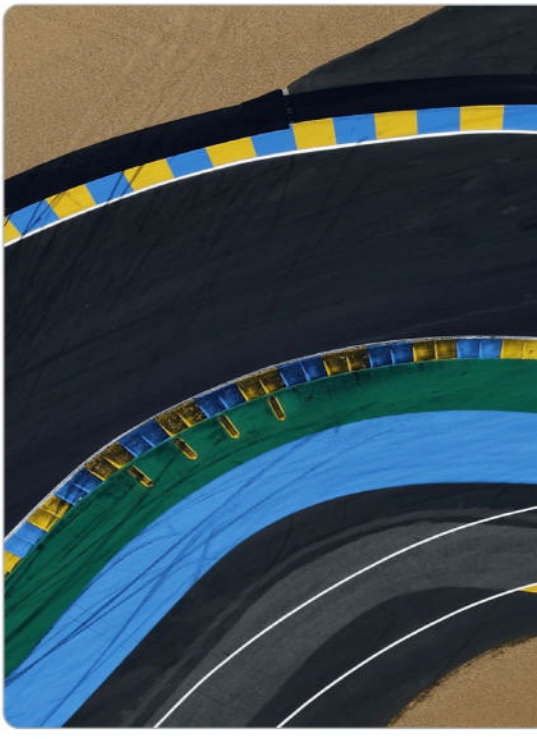
Science Comics: The Periodic Table of Elements
By Jon Chad (First Second)
In this graphic novel, a villain wants to poison atoms in the Land of Elements, and a girl tries to save the day by using what she knows about the Periodic Table of Elements. *Ages 9–13*

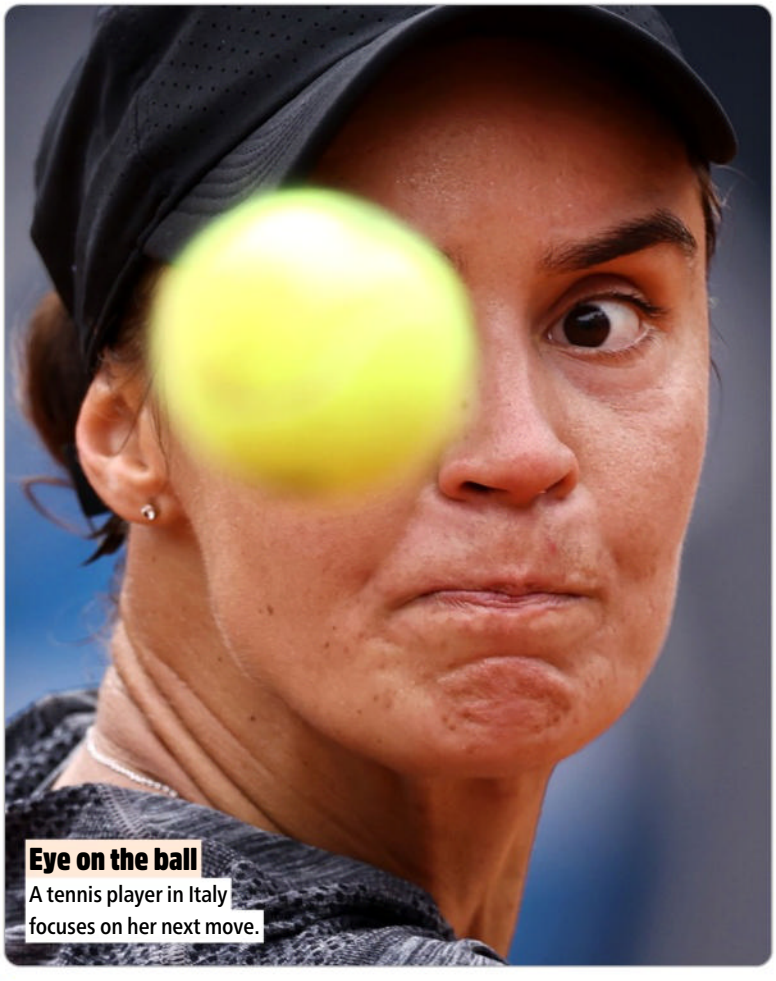
She Persisted: Kalpana Chawla *By Raakhee Mirchandani, illustrated by Gillian Flint* (Philomel Books)
NASA astronaut Kalpana Chawla overcame many obstacles to become the first Indian American woman to travel to space. She died in the space shuttle Columbia disaster in 2003. *Ages 6–10*

Sheet Pan Science
By Liz Lee Heinecke
(Quarry Press)
The 25 science experiments in this book can be done on a baking sheet. Create ice globe volcanoes, test whether rocks contain limestone, and make tie-dye milk. Every project contains a section that explains the science behind the fun. *Ages 7 and up*

Photos of the week

Ride the wave
A surfer competes in a tournament off the coast of Australia.





Eye on the ball
A tennis player in Italy focuses on her next move.

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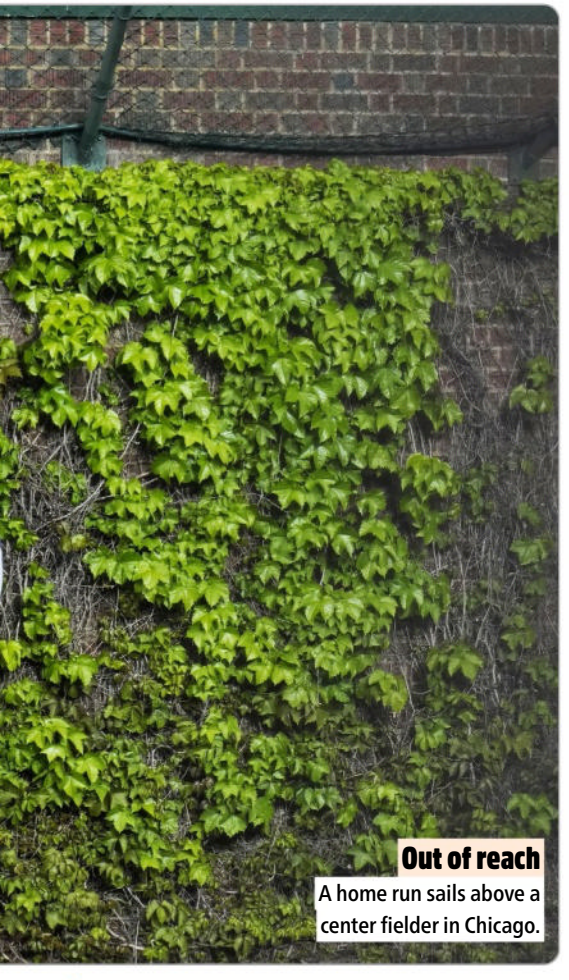
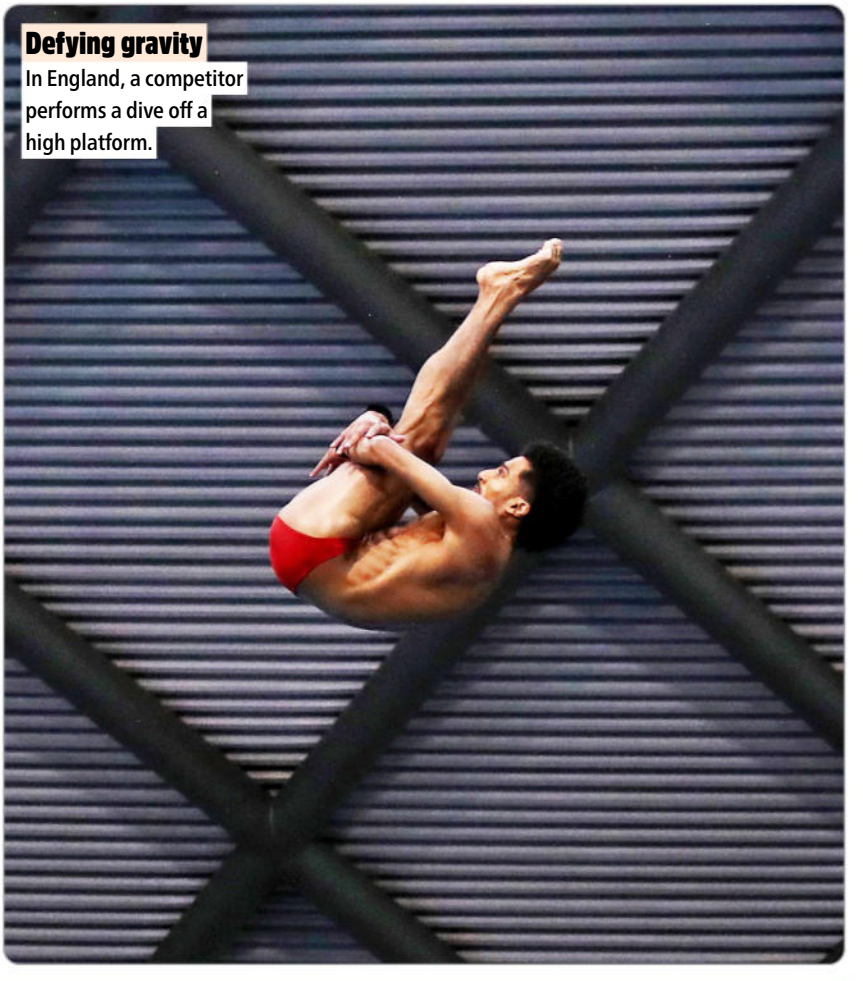
Photos of the week

Fast-forward
An aerial view of a racetrack is captured from a blimp in France.

Up and over
An athlete clears the high jump at a competition in France.



Out of reach
A home run sails above a center fielder in Chicago.



Defying gravity
In England, a competitor performs a dive off a high platform.

Celebrating on the ice

FUN FACT
The players on the first Vegas Golden Knights team in 2017 called themselves the Golden Misfits.

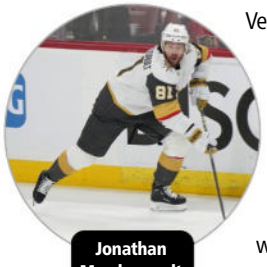
A famous trophy

The Stanley Cup, which goes to the NHL champions, is one of the most respected trophies in sports. It is 35.25 inches tall, 34.5 pounds, and engraved with the names of the players who have won it. Most players will not touch it unless they win it. Each winner gets to have one day with the Cup.

Vegas Golden Knights win Stanley Cup

On June 13, the Vegas Golden Knights became the National Hockey League (NHL) champions after beating the Florida Panthers, 9–3, in Game 5 of the seven-game Stanley Cup Final. It is the team's first title. The Golden Knights joined the NHL before the 2017–2018 season, and they are the second fastest team to win the Stanley Cup since the league began expanding in 1967. They made the final in their first season but lost to the Washington Capitals.

The Golden Knights entered the postseason as the top-seeded (ranked) team in the Western Conference, while the Panthers were a wildcard team and seeded eighth in the Eastern Conference. In the first round, the Panthers upset the top-seeded Boston Bruins, the best team during the regular season.



Jonathan Marchessault

The first two games of the final were played on the Golden Knights' home ice in Las Vegas, Nevada, and their offense was unstoppable. They beat the Panthers, 5–2, in the opener, and won Game 2 in a 7–2 blowout.

The action then moved to Sunrise, Florida, for the next two games. In Game 3, the Panthers battled their way to a 3–2 victory in overtime. In Game 4, the Golden Knights jumped out to an early 3–0 lead and later won, 3–2.

The teams returned to Las Vegas for Game 5. It was a must-win game for the Panthers, whose top forward Matthew Tkachuk had to sit out with an injury. The Golden Knights' offense built a 2–0 lead during the first period, but the Panthers came back with a goal early in the second period. The Golden Knights scored the next five goals, and even though the Panthers scored two more goals, they were unable to close the gap and the Golden Knights skated to victory. The Golden Knights' right wing Mark Stone scored three of the goals in the game, which is known as a hat trick.

After the game, Golden Knights forward Jonathan Marchessault, who has played for the team since its first season, was awarded the Conn Smythe trophy. It is given to the Most Valuable Player (MVP) of the Stanley Cup playoffs. He tied for the NHL lead with 13 goals in the postseason. On June 17, the team was honored with a parade in Las Vegas.

THIS WEEK'S WINNERS...

GOLF

On June 18, American golfer Wyndham Clark, who was ranked 32nd in the world, won the 123rd US Open, one of golf's four major tournaments. He finished one stroke ahead of Northern Ireland's Rory McIlroy, the number three player in the world. It was Clark's first major tournament win and his second PGA Tour win ever. In his six past major tournament appearances, his best finish was a tie for 75th.

Birke Haylom

SOCCER

Angel City FC beat their NWSL in-state rivals, the San Diego Wave, 2–1, on June 17. Paige Nielsen and M.A. Vignola scored Angel City's goals in the final 20 minutes of the match.

TRACK AND FIELD

On June 15, at the Bislett Games in Oslo, Norway, Ethiopia's Birke Haylom, age 17, broke a world record set in 1985 for the fastest mile by a female teen. She ran the distance in 4:17.13.

DID YOU KNOW?
The WNBA is planning to expand and may have two new teams as soon as next year.

Breanna Stewart, right, and Brianna Turner

Exciting week in women's basketball

The Women's National Basketball Association (WNBA) has had a memorable first month of the 2023 season, with some players recently delivering thrilling and even historic performances.

On June 18, the New York Liberty's star forward Breanna Stewart helped her team beat the Phoenix Mercury, 89–71. Stewart scored 28 points, pulled down 14 rebounds, and dished out seven assists in the win. She has been playing so well that she is now the first WNBA player to rack up at least 200 points, 100 rebounds, and 40 assists in the first 10 games of a season.

Five days earlier, a rookie made history. On June 13, Indiana Fever forward Aliyah Boston led her team to an 87–66 win over the Washington Mystics. Boston, this year's number one draft pick, scored 23 points, grabbed 14 rebounds, and handed out six assists in the game. She led all players in those three categories, something that had never been done by a rookie in a game. The victory snapped a six-game losing streak for the Fever and was their first home win in nearly a year.

On June 17, the Seattle Storm edged out the Dallas Wings, 109–103. Seattle guard Jewell Lloyd, who has led the WNBA in scoring this season, had a career-high 39 points, while Wings guard Arike Ogunbowale had 41 points.

As of June 20, the top WNBA teams were the Las Vegas Aces, who were 10–1, and the Connecticut Sun, who were 9–3. Sun forward Alyssa Thomas has had a double-double (double digits in two statistical categories) in nine of her team's first 12 games. She is an early contender for this year's Most Valuable Player award.

COACH OF THE WEEK

Coach's Name: **Willie Little**

Team: **Athlead Indy Track & Field/Cross Country**

"Coach Willie is a motivational coach for many track and field and cross country athletes. I joined his team after an injury, and from the first time I met him until today, he has continued to push me to do my very best. He helps us set personal goals, both on and off the track, and create healthy habits. He shares his own personal challenges and strengths with us and is an outstanding role model for our community." Domenic, 10, Indiana

To nominate a Coach of the Week, send your coach's name, photo, sport, and team to *hello@theweekjunior.com.* Include your name, age, state, and a few reasons why your coach is great.

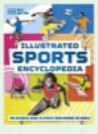
5 books about the big world of sports

History-making athletes and exciting wins come alive in these picks.

Contenders

By Traci Sorell, illustrated by Arigon Starr (Kokila)

This book describes the careers of John Meyers (1880–1971) and Charles Bender (1884–1954), who in 1911 became the first two Native American pro baseball players to compete against each other in a World Series. *Ages 6–10*



Illustrated Sports Encyclopedia

(DK Children)

More than 100 types of sports, including many that are popular in other parts of the world, are covered in this photo-packed guide. For each sport, an "Aim of the Game" section explains the rules and necessary equipment. *Ages 8 and up*

Inaugural Ballers

By Andrew Maraniss

(Viking Books for Young Readers)

At the 1976 Summer Olympics, the US women's basketball team won silver. The team, consisting of unknown college players, went on to inspire a generation of women to play sports. *Ages 12 and up*

The Origins of Sports

By Tom Velcovsky and Stepanka Sekaninova, illustrated by Matej Ilcik

(Albatros Media) Discover how popular sports from basketball to ice hockey got started, and see how sports equipment has evolved through the years. *Ages 8 and up*

Scholastic Year in Sports 2023

By James Buckley Jr.

(Scholastic Inc.)

The full-size photos of amazing athletes in action will grab your attention in this book that recaps top moments in sports from September 2021 to August 2022. *Ages 8 and up*

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FUN FACT
Elemental premiered at the famous Cannes Film Festival in May and received a five-minute standing ovation.
Elemental

Elemental now in theaters

Disney and Pixar's new animated adventure is about opposites attracting and questioning expectations.

The latest release from Disney and Pixar, *Elemental*, is now in theaters. The animated film is a romantic comedy that has messages about family relationships and opposites finding similarities in each other.

Elemental is set in Element City, where beings that are made of fire, water, earth, and air live. The story centers on short-tempered fire girl Ember, who meets Wade, a sensitive water guy, when he comes to inspect her father's shop. As they get to know each other, Wade challenges Ember's beliefs about the world they live in, a place where fire people often encounter discrimination. The awakening causes Ember to question what she and her father had imagined for her future.

Mamoudou Athie and Leah Lewis

Director and co-writer Peter Sohn said *Elemental* was inspired by his own life. His wife is Italian American, and Sohn was born in Korea and grew up in the US. When they began dating, he hid it from his parents because they expected him to be with someone Korean. Eventually, his parents learned they had a lot in common with her family. Another part of the film's story came from Sohn gaining an "appreciation for the sacrifices that [parents] make for their kids."

Leah Lewis voices Ember, and Mamoudou Athie voices Wade. She told *The Week Junior* she loved how Ember is "fierce" and "protects the ones she loves." Athie told *The Week Junior* he loved "Wade's capacity for empathy, open-heartedness, and her cheerleading spirit." He said the characters bring out the best in each other.

Elemental, however, isn't just about getting along with others. Lewis said she hopes young people see the film "and it opens their heart...to look at themselves in a brand-new way."

3 facts about the film

Original song

Singer-songwriter Lauv worked with composer Thomas Newman on the film's song "Steal the Show." It plays during a scene in which Ember and Wade get to know each other and as the credits roll.

Lauv

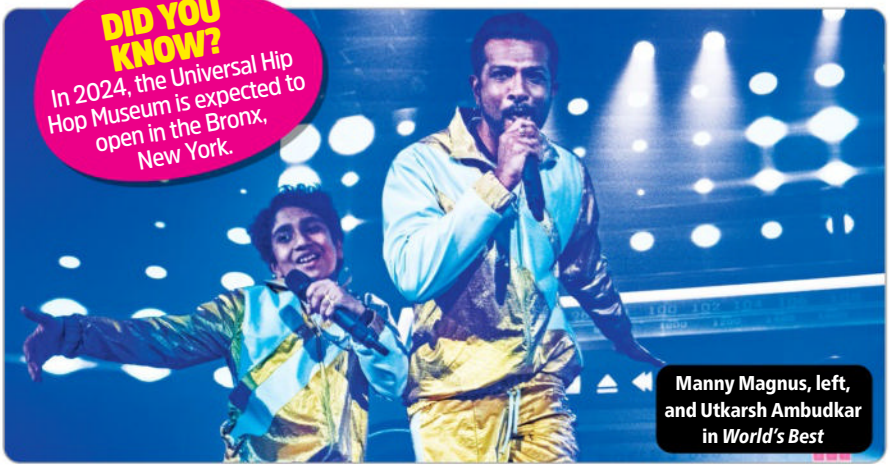
Scenic style

Element City's buildings were designed to look like a chemistry set with test tubes. It also has a park shaped like the periodic table, a chart used by scientists that has rows of boxes with information about the chemical elements—such as iron and oxygen.

Bonus film

The animated short *Carl's Date,* featuring beloved characters from the film *Up*, plays before *Elemental*. In that film, Carl gets nervous to go on a date, and his dog, Dug, steps in to calm his jitters.

DID YOU KNOW?
In 2024, the Universal Hip Hop Museum is expected to open in the Bronx, New York.



Manny Magnus, left, and Utkarsh Ambudkar in *World's Best*

Rap film from *Hamilton* director

Thomas Kail, the director of *Hamilton* and other musicals, has produced a new movie. *World's Best* is a music-filled comedy about a 12-year-old math genius, Prem. After he learns that his father, who has died, was a rapper, Prem tries to follow in his footsteps to become more popular at school. The film is now on Disney+.

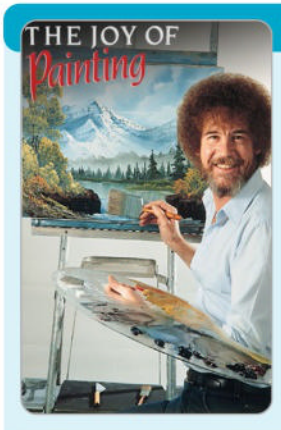
Prem's father appears in his son's imagination and is played by Utkarsh Ambudkar, who co-wrote the film. He was a member of Freestyle Love Supreme, an improv (unscripted) rap troupe founded by *Hamilton* creator and star Lin-Manuel Miranda. Kail was also a founding member of the group.

Ambudkar, who is of South Asian descent, grew up in Maryland. He said that when he was young, people around him weren't familiar with his ethnicity, which was hard. "I had to find a way to fit in," he told Deadline. "One way was to entertain my friends." He would make up funny songs and use voices that would make people laugh. Ambudkar also liked rap music, and by the time he was in college, he was performing as a freestyle rapper.

Making *World's Best* was very meaningful for Ambudkar. "I grew up without having anyone who looked like me on screen," he said on *The Kelly Clarkson Show*. He said it was "really important to live out that childhood dream" through actor-singer-musician Manny Magnus, who plays Prem. Magnus has experience as a hip-hop dancer but had not rapped before making the film.

As Prem learns to rap like his dad, he gets an important life lesson, too. "He has to realize that changing his entire identity may not be the best thing," Ambudkar told Deadline.

READER RECOMMENDS

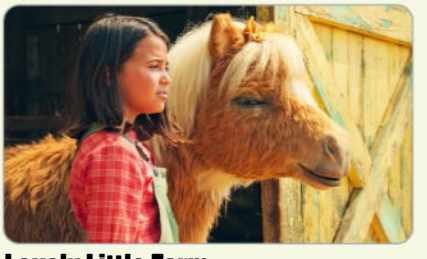


The Joy of Painting with Bob Ross *(Prime Video, Tubi, YouTube)*
"This is my favorite show. I usually watch it at night because it's very calming. Bob paints mostly scenic paintings, and he uses phrases such as 'happy little trees' and 'floater clouds.' I like the sound of his brushes on the canvas and his painting knife when he cuts through the paint. I love to see how Bob makes the blank canvas into a masterpiece. Sometimes he makes oval paintings by cutting contact paper into an oval and putting it on a canvas. Sometimes I will watch his show and bring out my easel, brushes, and painting knife and start to paint." Liam, 10, California

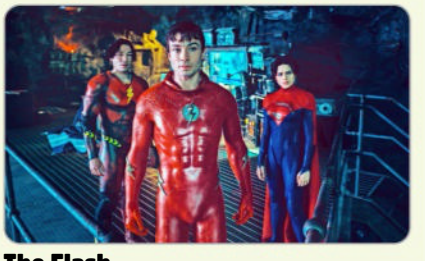
Do you have a film or TV show to recommend to other kids? Send your review to *hello@theweekjunior.com*.

THIS WEEK'S WATCH LIST

The Wonder Years
(ABC) Wednesdays at 9 pm ET
This sitcom follows Dean, a Black boy in Alabama in the late 1960s, a time when segregation (the unjust separation of Black people from white people) was common in the state. In new episodes, he visits New York and joins a sports team at school. His parents also consider moving.

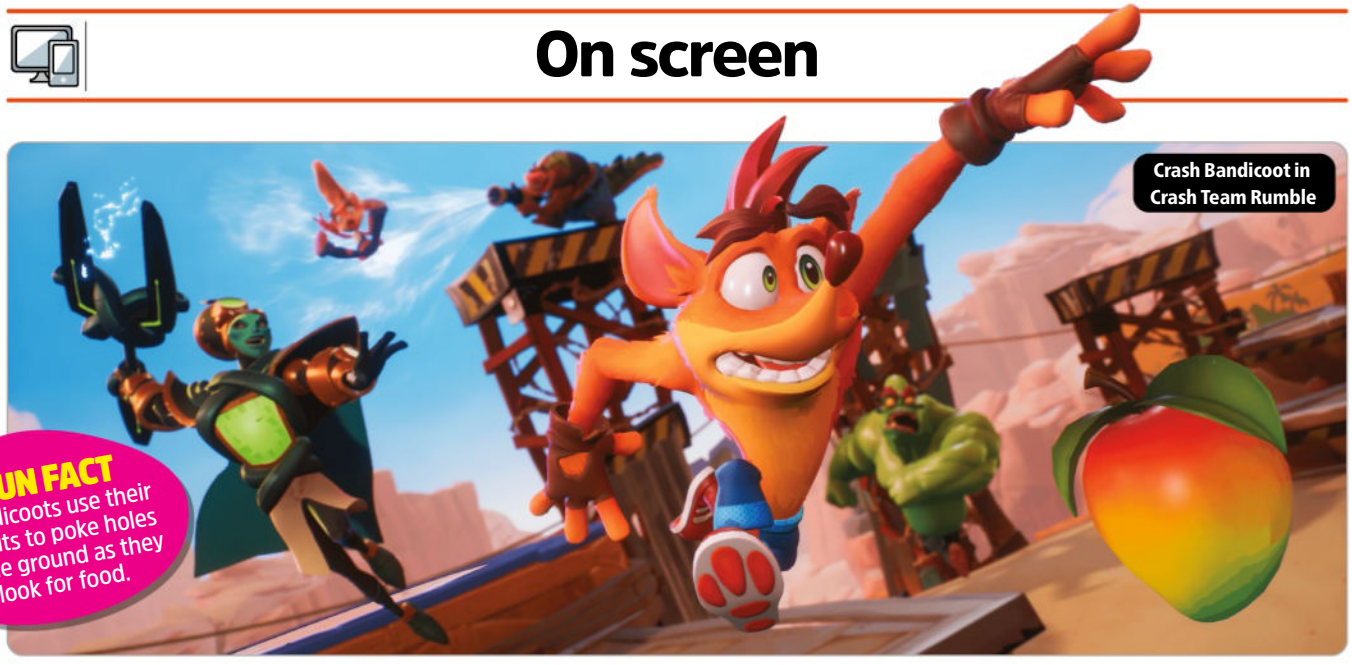


Lovely Little Farm
(Apple TV+)
Jacky and Jill are sisters who take care of the animals on their family farm, where some of the creatures can talk. This season, they continue to care for their beloved duck and pony but face an unexpected challenge after two baby dragons hatch from mysterious golden eggs.



The Flash
(In theaters)
In DC Comics, police scientist Barry Allen was struck by lightning, got super-speed abilities, and became The Flash. This new film is the first stand-alone movie for the character. In it, he uses his powers to change the past, but he ends up altering the universe. It is rated PG-13.

BEN MARK HOLZBERG/DISNEY; DISNEY; AMERICAN PUBLIC TELEVISION; ABC/MATT SAYLES; APPLE TV+; COURTESY OF WARNER BROS. PICTURES/™ & © DC COMICS; ON LEFT PAGE: DISNEY/PIXAR (2); GETTY IMAGES (3)



Crash Bandicoot in Crash Team Rumble

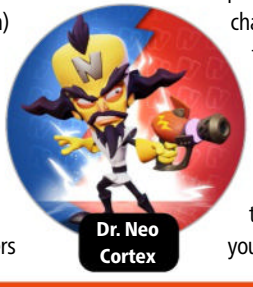
FUN FACT
Bandicoots use their snouts to poke holes in the ground as they look for food.

Battle for fruit in wild game

Crash Team Rumble is a new competitive multiplayer party game. It is out now for the PlayStation platforms and Xbox systems. It is the 15th console game in the popular Crash Bandicoot franchise, which launched in 1996. There are many mobile and handheld games in the series as well.

Crash is a friendly and fearless mutant bandicoot. A bandicoot is a type of real marsupial (mammal that carries its young in a pouch) that lives in Australia, New Zealand, and nearby islands. The story in the games is that Crash was created by Dr. Neo Cortex, a mad scientist who has become his biggest enemy.

In Crash Team Rumble, two teams of four players square off in a wild competition to collect the most Wumpa Fruit, which Crash likes to eat. The gameplay combines strategy, cooperation, combat, and ultrafast action. The playable characters include Crash; his girlfriend, Tawna; his little sister, Coco; a newer character named Catbat; plus Dr. Neo Cortex's evil crew.



Dr. Neo Cortex

The competitions take place on a field, and each character plays one of three positions. A scorer is in charge of capturing the fruit, a booster helps with power-ups and other tasks, and a blocker is like a goalie. The characters each have their own special skills and powers, too, but the more they work together, the better the game.

As you play, there are fun ways to take out rivals and shake up the action. Players can summon storms and alien UFO airstrikes, use spike-covered cage balls to roll over scorers, or in some cases, fly around to launch sneak attacks and boost teammates. Crash Team Rumble is chaotic, so the keys to helping your team win are quick solo thinking and rapid reflexes.

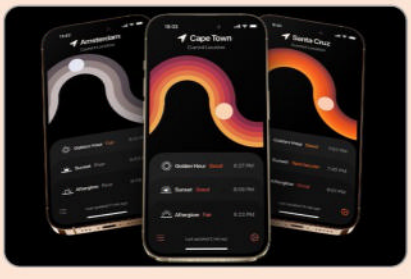
PODCAST OF THE WEEK

WE WOW

Apple Podcasts, Spotify, Amazon Music

This daily podcast features highlights from shows such as *Wow in the World* and *Who, When, Wow!* Each week has a new theme and related activities. In *We Wow on the Weekend* shows, Dennis, a wacky character from *Wow in the World,* answers listeners' questions and introduces segments.

APP OF THE WEEK



SKYLIGHT FORECAST

Apple App Store

This is like a weather app for sunsets that can help you know when it's a good time to step outside and enjoy a beautiful view. It relies on advanced technology plus weather and environmental data to deliver information about sunset stages and how clear they will be in your chosen location.

VIDEO OF THE WEEK

BLACK-BACKED WOODPECKERS AND FIRE

tinyurl.com/TWJUS-Woodpeckers

The US Forest Service and the Institute for Bird Populations teamed up on this video that highlights a woodpecker species most often found in burned forests. Find out how the birds help influence restoration work after wildfires.

ACTIVISION PUBLISHING INC. (2); TINKERCAST; LUX OPTICS, INC.; USDA FOREST SERVICE VIA YOUTUBE

SUMMER OF READING FEATURED PICK

The Last Comics on Earth

By Max Brallier and Joshua Pruett, illustrated by Jay Cooper and Douglas Holgate

(Viking Children's Books)

From the #1 NYT Bestselling Series comes:
MAX BRALLIER'S
THE LAST COMICS ON EARTH
With JOSHUA PRUETT
Illustrated by JAY COOPER & DOUGLAS HOLGATE
OVER 200 PAGES
FULL COLOR!

In a graphic novel spin-off, the four main characters from *The Last Kids on Earth* decide to write their own comic after realizing that there won't be any more issues of their favorite book, *Z-Man: Protector of Apocalyptia*. Jack, Quint, June, and Dirk each come up with their own superhero identities complete with cool powers. Quint becomes "Doc Baker: Super-Inventorist Dude," while June is "Moonstar: The Quasar Warrior." They write about their superhero origin stories and then dive into writing the action scenes, which become part of the book's story. Racing across the city of Apocalyptia, they encounter talking dinosaurs, giant-size ants, and more. Each superhero tries to show off, and the results are disastrous. When a villain and his dog attempt to take over the city, will the superheroes be able to work together to foil the evil plot? The novel switches back and forth between the kids writing their comic to the action happening in Apocalyptia. While fans of *The Last Kids on Earth* will especially enjoy this book, you won't be lost if you didn't read the series first.

DISCUSSION QUESTIONS FOR YOUR BOOK CLUB

Featuring characters with cool powers in a city filled with unusual creatures, this graphic novel is fun to talk about. Here are some questions to get your conversation started.

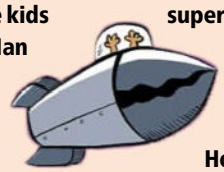
Which character's alter-ego do you think is the most clever? Why?

Do you think the kids should keep Z-Man in their new comic? Why or why not?

What did the superheroes learn about teamwork?

Did you like the format of having a comic book within a comic book? Why or why not?

Would you rather be a superhero or a sidekick? Explain your preference.



How do you feel about cliffhanger endings?

What do you think should happen in the next book?

2023 Summer of Reading THE WEEK Junior

Our list of "The 50 Books Kids Love Most" and details about entering our Summer of Reading sweepstakes can be found at **kids.theweek junior.com/summerofreading**.

JOIN THE WEEK JUNIOR'S BOOK CLUB

Ask the Author Ambassador

Max Brallier is the author of the best-selling *The Last Kids on Earth* series, which Netflix turned into an animated show. *The Week Junior* spoke to him about *The Last Comics on Earth*, his new graphic novel spin-off.

Which character is most like you?

Jack is the character who is most like me, and the interaction among the four characters is based on me and my high school friends. I still bounce ideas off them.

What comics did you read as a kid?

I read a lot of X-Men and Spider-Man, but more than comics, I loved books. I particularly enjoyed *Goosebumps* and *Sideways Stories from Wayside School*.

Are there any superpowers you wish you had?

Yes, I'd like to have the power of invisibility so I could pull pranks on people, and I'd like to freeze time so I wouldn't have to worry about book deadlines.

How was writing this book different?

I co-wrote *The Last Comics on Earth* with Joshua Pruett. When the dialogue we wrote made each other laugh, it made the book.

Tell us something fun about your office.

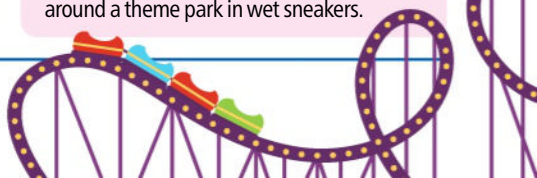
I just got a full-size Ms. Pac-Man machine! I sometimes use it as a desk.

What would be your strategy in a zombie apocalypse?

I'd join forces with someone who has strong survival skills, and I'd promise to write their heroic story when things get better.

Roller coaster or log flume?

Roller coaster because I don't want to walk around a theme park in wet sneakers.



BOOK AND ILLUSTRATIONS: COURTESY THE PUBLISHER; AUTHOR: RUBY BRALLIER; ALAMY; GETTY IMAGES (2)

BRIGHT IDEA
In 1861, Scottish scientist James Clerk Makwell took the first color photograph, of a plaid ribbon.

You can find photo inspiration everywhere.

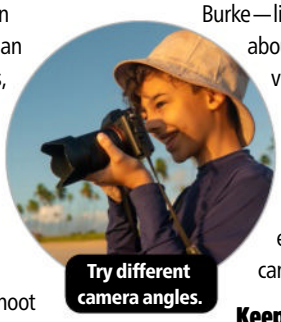
Take pictures of nature

Learn to capture the natural beauty of the world around you.

Nature photography is about capturing natural elements of the outdoors, from wildlife to plants to weather. It can be done anywhere, with a camera or with your phone. "Nature photography is an amazing tool that you can use to capture and share what's important to you," professional nature photographer Jesse Burke told *The Week Junior*. Here's how to get started.

Choose a setting

First, decide where you want to take nature photos. If you're a beginner, you can start in your own neighborhood or in a local park. You can plan to shoot local wildlife, like birds or squirrels, or magnificent trees. As you get more experience, you can use what you learn when you visit other natural settings, like a state or national park. Try to tell a story with your photos, suggests Burke. In addition to taking photos of the overall scenery and the wildlife you see, you can shoot close-ups of other natural wonders, like a flower in bloom. "When you look at all the pictures together later, you get a richer narrative," says Burke.



Try different camera angles.

Take photos in the best light

When taking photos outside, you'll always be working with the natural light that comes from the sun. Two of the best times to shoot are the "golden hours" each day—just after the sun rises and right before it sets. This is when the sun casts a natural, gentle glow that's ideal for photographs. Anytime you shoot outside, keep the sun's position over your subject in mind, says Burke. For example, if you want to get a shot of an animal in front of a landscape, you should have the sun to your back so the light is shining on your subject.

Frame your shots

Decide what you want to see inside the frame of your shot and also consider what you don't want to see, says Burke—like an object in the way. When you're about to take a photo, look through the viewfinder of your camera or on the screen of your smartphone. Turn your camera a little to the right, then to the left. Observe how this changes the shot and whether one side looks better. You can also experiment with angles, like pointing your camera toward the ground or up to the sky.

Keep experimenting

The best way you can become a stronger nature photographer is to practice, Burke told *The Week Junior*. If you want to learn more technical skills, like mastering your camera settings, you might consider taking a photography class. Ask an adult to help you check with your school or a local art center. Or you could consider taking an online photography course from a website like outschool.com or khanacademy.com.

Meet our photo contest judges

These inspiring photographers will be helping to judge entries for *The Week Junior*'s Nature Photo Contest. See the contest details at right!

Jesse Burke
He uses his work to tell the story of the relationship between people and nature. He is known for his photos that document the road trips he takes to introduce his three daughters to the joy of the outdoors. See his work at jesseburke.com.

Angela Ledyard
She was inspired to try photography at a young age when her grandfather showed her how to use his camera. Today, the landscape and nature photographer specializes in taking super close-ups and using tools like drones to capture sweeping overhead views. See her work at angelaledyard.com.

Ami Vitale
In her work as a photographer, filmmaker, and writer, she has traveled to more than 100 countries. She views her work, which sheds light on human and environmental injustices, as a tool to create awareness around the world. She is considered one of the most influential conservation photographers today. See her work at amivitale.com.

GETTY IMAGES (2); JESSE BURKE; ANGELA LEDYARD; AMI VITALE

Enter our Nature Photo Contest!

The winning images from last year's Nature Photo Contest appeared in the magazine.

Do you love taking photographs of the natural world? Are you always looking to capture the amazing beauty of plants, flowers, trees, and wildlife when you're outdoors? If so, now is your chance to use your creativity, curiosity, and skills to enter *The Week Junior*'s third annual Nature Photo Contest.

The deadline to enter is July 31!

How to enter

- **Consider the judging criteria.** Submissions will be judged on quality (clear, well-composed photographs that aren't blurry), originality (the use of creativity and imagination through the camera lens), and how well they reflect the nature theme and *The Week Junior*.
- **Choose one photo to enter.** Only one photograph per entrant is allowed.
- **Fill out an entry form.** With a parent, complete an entry form and submit it by July 31, 2023.
- **Enter the correct age group category.** Children ages 8 to 10 will be judged in one category. Children ages 11 to 14 will be judged in another category. Winners will be selected from each category. The entry form for 8- to 10-year-olds is at **tinyurl.com/TWJUS-2023PhotoContest-8-10**. The entry form for 11- to 14-year-olds is at **tinyurl.com/TWJUS-2023PhotoContest-11-14**.

NO PURCHASE OR SUBSCRIPTION NECESSARY. Open to legal residents of US, DC, Puerto Rico, US Virgin Islands, 8–14 years. Professional artists are not eligible. Ends 11:59:59 pm ET 7/31/2023. Void where prohibited. See official rules at theweekjunior.com/photocontestrules. Sponsor: Future US LLC.

The judges

The Nature Photo Contest will be judged by Editor-in-Chief Andrea Barbalich, Creative Director Dean Abatemarco, and Photo Editors Nataki Hewling and Lily Alt. Entries will also be judged by three award-winning professional photographers: Jesse Burke, Angela Ledyard, and Ami Vitale (see their bios at left).

The prize

The winning entries will be featured in an upcoming issue of *The Week Junior*.

Keyword crossword

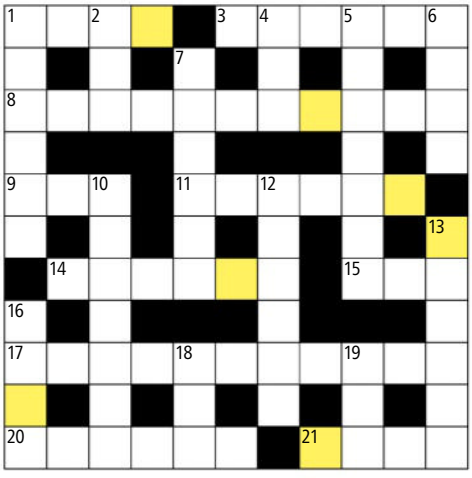
Once you have completed the crossword, transfer the letters in the yellow boxes, in order, into the boxes below to get the answer to the Keyword question.

ACROSS

1 Item on a rooster's head or in a barber's hand
3 Age-old "computer" that uses beads, not bytes
8 Car with a roof that tucks away for open-air driving
9 Weird
11 Sport enjoyed by NASCAR fans
14 It's pressed in an elevator
15 Number of fingers held up in a "peace" sign
17 High or low number predicted in a weather report
20 Felt-tipped drawing tool that might come in different colors
21 Shelter put up during a campout

DOWN

1 "Changing room" spun by a caterpillar
2 "That's one small step for ___ …" (first words on the Moon)
4 Item swung in a baseball game
5 Kitchen area where plates and glasses might be put away
6 Small start for a flower or a giant redwood
7 "We're planning a surprise party," for example
10 Person who keeps the beat in a band
12 What an oil painting is often painted on
13 Little Red Riding Hood took a shortcut through one
16 Ultrasmall building block for everything in the universe
18 Most notable part of a Cyclops
19 "___ it or lose it" ("That won't last forever")



Keyword question: Two counties in Washington state have a law that protects what creature?

CODE CRACKER

In this coded list of familiar words that come from Japanese, like "haiku," every letter has been replaced with a substitute. The same substitutions are used throughout the list. Hint: Every X here is an uncoded K. Use the letter patterns you find to crack the code. (NEED ANOTHER HINT? Check the bottom of the page.)

C F P J R

K
X P J L F L

L Q P Y C J P

K K
X C Q C L X R

ANSWERS CAN BE FOUND ON PAGE 29.

THREE FOR ALL

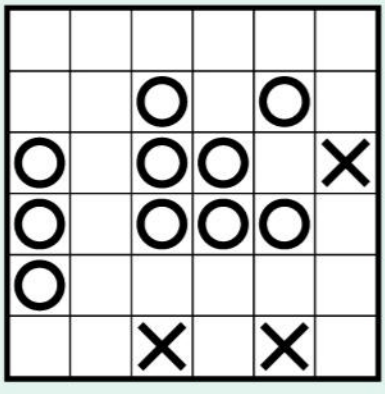
Sort this list into three familiar three-part phrases, like THREE-RING CIRCUS or SALT LAKE CITY.

HOCKEY PAPER ROAD BRICK ICE
STRAW YELLOW DRINKING STICK

_____ _____ _____
_____ _____ _____
_____ _____ _____

Hit or miss

Place an X or O in each empty square so there are never more than three X's or O's together going across, down, or diagonally. Hint: If you find three in a row of one letter, you can put the other letter into the spaces at either end.



Spot the difference

These two pictures of two bald eagles appear to be the same, but take a closer look. There are actually five differences. Can you see them?

PUZZLES BY PUZZABILITY

Code cracker hint: Every L is an uncoded O.

These streets will be legendary.

A drive down Charmander Lane

Now you can "catch 'em all"—home addresses, that is. A new neighborhood in Nevada has named its roads after Pokémon characters. Construction manager Andrea Miller, whose child suggested the theme for the street names at the housing development, hopes that living on roads named after Squirtle and Snorlax will bring joy to residents. If "you had a bad day," she said, "and you have to turn on Jigglypuff Lane, that will make you smile."

Dogs were dressed to the ca-nines.

The grand pet event of the year

The Met Gala is a world-famous event hosted by fashion leaders in support of the Metropolitan Museum of Art in New York City. The Pet Gala, created by designer Anthony Rubio, dresses rescue pets in outfits based on celebrities' looks at the Met. On May 22, a Chorkie (chihuahua and Yorkshire Terrier mix) wore a gown inspired by the singer Rihanna, while a Pomeranian's dress resembled the one worn by rapper Cardi B. Next year the 10th anniversary gala will benefit animal charities.

This year, the early birds got the worms.

Worm contest is full of charm

Musical instruments, watering cans, and the right weather made this year's Worm Charming Championships a squirming success. Earthworms often appear above ground after it rains. At the contest, held in Falmouth, England, competitors used different methods to re-create the pitter-patter of raindrops in order to coax worms from the soil. In all, 260 worms appeared. This was a big increase over the 2022 event, when a heat wave meant that only one worm surfaced. After being "charmed," all the worms were released back into the soil.

Real or fake?

Is there such a thing as too much pink?

Pink sells out around the world

The production of the upcoming *Barbie* movie used so much pink paint that it led to a global supply shortage of the color. Almost everything in the film had to be intensely pink—including walls, floors, cars, and furniture—to match the vibe of the original Barbie toys. "I wanted the pinks to be very bright," said the movie's director. The paint company Rosco, which often provides paint for film sets, completely ran out of the fluorescent shade of pink after fulfilling the film crew's order. Is everything rosy with this story, or are we being shade-y?*

*Real! The bright paint was already in short supply after challenges during the Covid-19 pandemic, and *Barbie* used up the company's remaining stock. "We gave them everything we could," a Rosco executive said. "They did clean us out."

THE POKÉMON COMPANY/TWITTER; GETTY IMAGES; MIRRORPIX (2); SHUTTERSTOCK; JAAP BUITENDIJK/ COURTESY OF WARNER BROS. PICTURES; ON LEFT PAGE: GETTY IMAGES (3)

Editor's note

I'm constantly amazed by the process of scientific discovery. While reading this week's cover story, for example, I learned that scientists who worked on a 2021 study concluded that 2.5 billion Tyrannosaurus rexes roamed the Earth many years ago (p14). Now, two years later, a different scientific team has determined that the number is closer to 1.7 billion. The two groups didn't work together, but each played an important part in reaching the new conclusion. In fact, the leader of the first group said the second group had improved on their research. Showing that kind of respect is admirable! Also in this issue, our Summer of Reading program continues (p23). Have you checked out our list of "The 50 Books Kids Love Most" and entered our sweepstakes? Find all the details at kids.theweekjunior.com/summerofreading. You can enter this year's Nature Photo Contest too! Read all about it on page 25.

Andrea Barbalich
Editor-in-Chief

CHARITY OF THE WEEK

National Trust for Historic Preservation

This organization works with the federal government and other groups to protect historic US sites. One example is Woodlawn, a historic house in Virginia (shown above). The trust awards funds to groups that can restore sites and has worked with more than 2,000 communities across the US to revive their downtown areas. Find out more at savingplaces.org.

National Trust for Historic Preservation

Indigo, 8, New York

Performing to save the Earth

"I love to help the environment, and I also love to play the guitar. So I recently performed on the street to collect funds to donate to Carbon180, a nonprofit organization that helps take carbon (a harmful gas that contributes to global warming) out of the atmosphere. I raised $153. It's important to do something you really care about, even if you're afraid. When I was done, I felt really proud of myself for facing my fears and helping a cause that was important to me."

Have you done something interesting or raised money for a cause you care about? Whatever you're up to, we want to hear about it at *hello@theweekjunior.com*.

RIDDLE OF THE WEEK

Can two fathers and two sons fit on a bike built for three?

Yes—a grandfather, his son, and his grandson

SUMMER OF READING

Show us your favorite book!

If you're enjoying our Summer of Reading campaign, we'd love to know about it. Take a photo of yourself holding a book you recommend, and tell us why it's a good read. Have an adult email your submission to us at *hello@theweekjunior.com*. We will publish a selection of submissions in Issue 171. Our full list of "The 50 Books Kids Love Most" and information about how to win prizes is at kids.theweekjunior.com/summerofreading. Finally, don't miss our interview with Author Ambassador Max Brallier on page 23!

THE WEEK Junior IT'S YOUR TURN Email your news, views, and photos to *hello@theweekjunior.com*.

Your turn

YOUR PHOTOS

We'd love to see pictures you've taken or pictures with you in them! Have an adult email them to us at *hello@theweekjunior.com*, along with anything you would like us to know about what's happening in the photo.

"I'm catching up on *The Week Junior* while waiting for 15 million bats to emerge from the Bracken Bat Cave." Kevin, 9, Texas

"I reused some of my *The Week Junior* magazines and made two collages with them to decorate my room." Surabhi, 11, California

"I was so happy when I saw that Latvia had won bronze because I am Latvian and I love hockey!" Teo, 10, Washington, DC

Teacher OF THE WEEK

Teacher's Name: **Ms. El-Shoubary**

School: **Cape May City Elementary School**

"Ms. El-Shoubary is the best teacher because she makes everyone in our class feel special. Our school mostly has students from military families, so we come from all over and sometimes don't stay long. She goes out of her way to connect with us and make us feel important. I've been lucky enough to have her as my teacher for the second and fourth grades! Thank you, Ms. El-Shoubary, for everything you do for all of us."

Troy, 10, New Jersey

Nominate your teacher for Teacher of the Week!
Send your reason for the nomination, a photo of your teacher, and your school's name and address to *hello@theweekjunior.com*.

GETTY IMAGES; ON LEFT PAGE: GETTY IMAGES

Puzzle answers (from page 26)

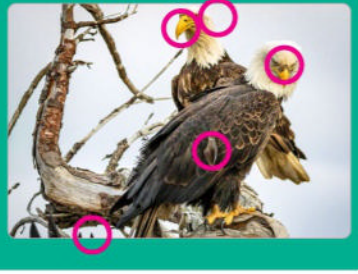
C	O	M	B	■	A	B	A	C	U	S
O	■	A	■	S	■	A	■	A	■	E
C	O	N	V	E	R	T	I	B	L	E
O	■	■	■	C	■	■	■	I	■	D
O	D	D	■	R	A	C	I	N	G	■
N	■	R	■	E	■	A	■	E	■	F
■	B	U	T	T	O	N	■	T	W	O
A	■	M	■	■	■	V	■	■	■	R
T	E	M	P	E	R	A	T	U	R	E
O	■	E	■	Y	■	S	■	S	■	S
M	A	R	K	E	R	■	T	E	N	T

Keyword answer: Bigfoot

Code cracker
anime
kimono
origami
karaoke

Three for all
paper drinking straw
ice hockey stick
Yellow Brick Road

X	X	X	O	X	X	
X	O	O	X	O	O	
O	X	O	O	O	X	
O	X	O	O	O	X	
O	X	X	O	X	X	
X	O	X	X	X	O	



Quiz answers (from page 30)

1 Magic Kingdom at Walt Disney World **2** True **3** c) Jonathan Marchessault **4** Wumpa Fruit **5** a) Water **6** False. It found that 1.7 billion existed. **7** *Weekend Edition Sunday* **8** c) Switzerland **9** False. It has the shortest. **10** Max Brallier **11** b) Indiana Fever **12** c) Rap **13** Amazonian dark earth **14** True **15** b) Nevada

We want to hear from you! To have your letters, photos, nominations, recommendations, or ideas considered for inclusion in the magazine, please include your full name, age, and state with your submission. By emailing your submission to us, you give *The Week Junior* consent to publish it in the magazine and online. Please get your parent/guardian's permission before sending anything to us.

How much of this week's news can you remember?

1 Which theme park received the most visitors in 2022?

2 True or false? A butterfly was named Saurona after the villain in The Lord of the Rings series.

True ☐ False ☐

3 Who was named the Most Valuable Player in hockey's Stanley Cup playoffs?

a) Adin Hill b) Mark Stone

c) Jonathan Marchessault

a ☐ b ☐ c ☐

4 In the video game Crash Team Rumble, what food do players try to collect?

5 In the movie *Elemental*, Ember meets Wade, who is made of what element?

a) Water b) Earth c) Air

a ☐ b ☐ c ☐

6 True or false? A recent study found that 2.5 billion Tyrannosaurus rexes existed.

True ☐ False ☐

7 What is the name of the National Public Radio show hosted by Ayesha Rascoe?

8 Women recently protested the lack of gender equality in which country?

a) Sweden b) Spain c) Switzerland

a ☐ b ☐ c ☐

9 True or false? The US has the longest written national constitution in the world.

True ☐ False ☐

10 Who wrote the new graphic novel *The Last Comics on Earth*?

ANSWERS CAN BE FOUND ON PAGE 29.

11 What team does WNBA star rookie Aliyah Boston play for?

a) Seattle Storm

b) Indiana Fever

c) Connecticut Sun

a ☐ b ☐ c ☐

12 What type of music does math genius Prem perform in the new movie *World's Best*?

a) Rock

b) Jazz

c) Rap

a ☐ b ☐ c ☐

13 What is the name of the ancient soil that may help the Amazon rainforest?

14 True or false? A chihuahua and Yorkshire terrier mix wore a dress inspired by Rihanna to the Pet Gala.

True ☐ False ☐

15 A new neighborhood in what state named its streets after Pokémon?

a) Arizona b) Nevada c) New Mexico

a ☐ b ☐ c ☐

THE WEEK Junior

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